

#2
aA
02/29/01

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Massimiliano Poletto et al. Art Unit : Unknown
Serial No. : Examiner : Unknown
Filed : Herewith
Title : Monitoring Network Traffic Denial of Service Attacks

JC978 U.S. PTO
09/931558
08/16/01

Commissioner for Patents
Washington, D.C. 20231

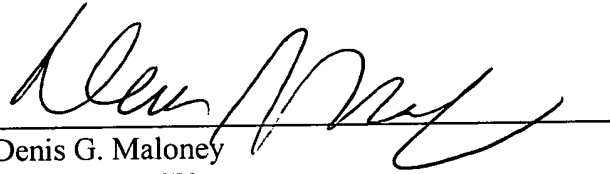
INFORMATION DISCLOSURE STATEMENT

Applicant submits the references listed on the attached form PTO-1449, copies of which are enclosed.

This statement is being filed with the application. Please apply any charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: 8/14/2001


Denis G. Maloney
Reg. No. 29,670

Fish & Richardson P.C.
225 Franklin Street
Boston, MA 02110-2804
Telephone: (617) 542-5070
Facsimile: (617) 542-8906

20284872.doc

CERTIFICATE OF MAILING BY EXPRESS MAIL

Express Mail Label No. EL485675815US

I hereby certify under 37 CFR §1.10 that this correspondence is being deposited with the United States Postal Service as Express Mail Post Office to Addressee with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

Date of Deposit August 16, 2001

Signature Samantha Bell

Typed or Printed Name of Person Signing Certificate
Samantha Bell

Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 12221-009001	Application No.
	Applicant Massimiliano Antonio Poletto et al.		
	Filing Date Herewith	Group Art Unit	

J9978 U.S. PTO
 09/931558
 08/16/01

U.S. Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AJ							
	AK							
	AL							
	AM							
	AN							

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AO	Steve Bellovin. DDoS Attacks and Pushback. NANOG21, Feb 18, 2001 http://www.aciri.org/pushback
	AP	Ratul Manajan, Steven M. Bellovin, Sally Floyd, Vern Paxson, Scott Shenker, and John Ioannidis. Controlling High Bandwidth Aggregates in the Network. draft paper, Feb 2001. http://www.aciri.org/pushback
	AQ	Stefan Savage, David Wetherall, Anna Karlin and Tom Anderson. Practical Network Support for IP Traceback. Proceedings of 2000 ACM SIGCOMM, Stockholm, Sweden, August 2000. http://www.cs.washington.edu/homes/savage/traceback.html
	AR	Steve Bellovin. ICMP Traceback Messages. AT&T Labs Research, Mar 2000. http://www.research.att.com/~smb/papers/draft-bellovin-itrace-00.txt

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 12221-009001	Application No.
	Applicant Massimiliano Antonio Poletto et al.		
	Filing Date Herewith	Group Art Unit	

U.S. Patent Documents							
Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AS						
	AT						
	AU						
	AV						
	AW						
	AX						
	AY						
	AZ						
	AAA						

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	ABB							
	ACC							
	ADD							
	AEE							
	AFF							

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AGG	Cisco. Characterizing and Tracing Packet Floods Using Cisco Routers. http://www.cisco.com/warp/public/707/22.html
	AHH	D. Senie. RFC2644 (BCP34), Changing the Default for Directed Broadcasts in Routers. IETF, August 1999. http://www.ietf.org/rfc/rfc2644.txt
	AII	P. Ferguson, D. Senie. RFC2827 (BCP38): Network Ingress Filtering: Defeating Denial of Service Attacks which employ IP Source Address Spoofing. IETF, May 2000. http://www.ietf.org/rfc/rfc2827.txt
	AJJ	David G. Andersen, Hari Balakrishnan, and M. Frans Kaashoek, Robert Morris. The Case for Resilient Overlay Networks. Proc. of HotOS-VIII, Schloss Elmau, Germany, May 2001. http://nms.lcs.mit.edu/papers/ron-hotos2001.pdf

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 12221-009001	Application No.
	Applicant Massimiliano Antonio Poletto et al.		
	Filing Date Herewith	Group Art Unit	

U.S. Patent Documents

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AKK						
	ALL						
	AMM						
	ANN						
	AOO						
	APP						
	AQQ						
	ARR						
	ASS						
	ATT						

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AUU							
	AVV							
	AWW							
	AXX							
	AYY							

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AZZ	Cisco. Web-Site Security and Denial-of-Service Protection. http://www.cisco.com/warp/public/cc/pd/si/11000/prodlit/cswsc_wi.htm
	AAAA	Analysis of a Denial of Service Attack on TCP" by Schuba et al Proceedings of the 1997 IEEE Symposium on Security and Privacy (IEEE Computer Society Press, May 1997
	ABBB	Stefan Savage, David Wetherall, Anna Karlin and Tom Anderson. Practical Network Support for IP Traceback. Work in progress Technical Report UW-CSE-00-02-01. Date unknown. http://www.cs.washington.edu/homes/savage/traceback.html
	ACCC	Web page entitled "Aggregate Based Congestion Control and Pushback" last modified April 2001 Found at http://www.aciri.org/pushback

U.S. Patent Documents

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 12221-009001	Application No.
	Applicant Massimiliano Antonio Poletto et al.		
	Filing Date Herewith	Group Art Unit	

Examiner Initial	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
	ADDD						
	AEEE						
	AFFF						
	AGGG						
	AHHH						
	AIII						
	AJJJ						
	AKKK						
	ALLL						

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AMMM							
	ANNN							
	AOOO							
	APPP							
	AQQQ							

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	ARRR	D. Song et al., "Advanced and Authenticated Marking Schemes for IP Traceback", Proc. IEEE INFOCOM, April 2001, pp. 878-886.
	ASSS	R. Stone, "CenterTrack: An IP Overlay Network for Tracking DoS Floods", Proceedings of 9 th USENIX Security Symposium, Denver, CO, August 2000, pp. 199-212.
	ATTT	H. Burch et al., "Tracing Anonymous Packets to Their Approximate Source", Proc. USENIX LISA 00, December 2000, pp. 319-327.
	AUUU	

Examiner Signature	Date Considered
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	